

AS

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **BUFFERING DATA TRANSFER BETWEEN A CHIPSET AND MEMORY MODULES**, the specification of which:

is attached hereto.

was filed on September 18, 2000 as Application Serial No. 09/666,489 and was amended on _____.

was described and claimed in PCT International Application No. _____ filed on _____ and as amended under PCT Article 19 on _____.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim the benefit under Title 35, United States Code, §119(e)(1) of any United States provisional application(s) listed below:

U.S. Serial No.	Filing Date	Status
-----------------	-------------	--------

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information I know to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

U.S. Serial No.	Filing Date	Status
-----------------	-------------	--------

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

Country	Application No.	Filing Date	Priority Claimed
---------	-----------------	-------------	------------------

Combined Declaration and Power of Attorney

Page 2 of 2 Pages

I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Scott C. Harris, Reg. No. 32,030
David L. Feigenbaum, Reg. No. 30,378
Hans R. Troesch, Reg. No. 36,950
Bing Ai, Reg. No. 43,312
Samuel L. Lee, Reg. No. 42,791
Frederick H. Rabin, Reg. No. 24,488

William J. Egan, III, Reg. No. 28,411
James T. Hagler, Reg. No. 40,631
John R. Wetherell, Jr., Reg. No. 31,678
Kenyon S. Jenckes, Reg. No. 41,873
Richard J. Anderson, Reg. No. 36,732
Samuel Borodach, Reg. No. 38,388

Address all telephone calls to SCOTT C. HARRIS at telephone number (858) 678-5070.

Address all correspondence to SCOTT C. HARRIS at:

FISH & RICHARDSON P.C.
PTO Customer No. 20985
4350 La Jolla Village Drive, Suite 500
San Diego, CA 92122

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full Name of Inventor: JAMES A. MCCALL

Inventor's Signature: 

Date: 12/28/2000

Residence Address: 16745 S.W. Whitley Way
Beaverton, OR 97006

Citizenship: U.S.

Post Office Address: 16745 S.W. Whitley Way
Beaverton, OR 97006

Full Name of Inventor: RANDY M. BONELLA

Inventor's Signature: 

Date: December 4, 2000

Residence Address: 4122 S.W. Garden Home Road
Portland, OR 97219

Citizenship: U.S.

Post Office Address: 4122 S.W. Garden Home Road
Portland, OR 97219

Combined Declaration and Power of Attorney

Page 3 of 3 Pages

Full Name of Inventor: JOHN B. HALBERT
Inventor's Signature: 
Residence Address: 15045 S.W. Emerald Court
Beaverton, OR 97007
Citizenship: U.S.
Post Office Address: 15045 S.W. Emerald Court
Beaverton, OR 97007
Date: 12/20/00

Full Name of Inventor: JIM M. DODD

Inventor's Signature: _____ Date: _____
Residence Address: 4561 Barnett Ranch Road
Shingle Springs, CA 95682
Citizenship: U.S.
Post Office Address: 4561 Barnett Ranch Road
Shingle Springs, CA 95682

Full Name of Inventor: CHUNG LAM

Inventor's Signature: _____ Date: _____
Residence Address: _____

Citizenship: U.S.
Post Office Address: _____



Attorney's Docket No.: 10559/48001/P9836

Combined Declaration and Power of Attorney

Page 3 of 3 Pages

Full Name of Inventor: JOHN B. HALBERT

Inventor's Signature:

Date:

Residence Address: 15045 S.W. Emerald Court
Beaverton, OR 97007

Citizenship: U.S.

Post Office Address: 15045 S.W. Emerald Court
Beaverton, OR 97007

Full Name of Inventor: JIM M. DODD

Inventor's Signature: A handwritten signature of Jim M. Dodd.

Date:

Residence Address: 4561 Barnett Ranch Road
Shingle Springs, CA 95682

Citizenship: U.S.

Post Office Address: 4561 Barnett Ranch Road
Shingle Springs, CA 95682

Full Name of Inventor: CHUNG LAM

Inventor's Signature:

Date:

Residence Address:

Citizenship: U.S.

Post Office Address:

10069855.doc



Combined Declaration and Power of Attorney

Page 3 of 3 Pages

Full Name of Inventor: JOHN B. HALBERT

Inventor's Signature: _____ Date: _____
Residence Address: 15045 S.W. Emerald Court _____
Beaverton, OR 97007
Citizenship: U.S.
Post Office Address: 15045 S.W. Emerald Court _____
Beaverton, OR 97007

Full Name of Inventor: JIM M. DODD

Inventor's Signature: _____ Date: _____
Residence Address: 4561 Barnett Ranch Road _____
Shingle Springs, CA 95682
Citizenship: U.S.
Post Office Address: 4561 Barnett Ranch Road _____
Shingle Springs, CA 95682

Full Name of Inventor: CHUNG LAM

Inventor's Signature: _____ Date: 12/19/00
Residence Address: _____
Citizenship: U.S. 560 DORY LANE
Post Office Address: REDWOOD CITY, CA 94065